
APPENDIX B

SUPPORTING DOCUMENTATION

- ◆ Alaska Supplement
- ◆ Emergency Disaster Plan
- ◆ Airspace Drawings
- ◆ Wind Data Figures
- ◆ Land Status and Ownership Maps

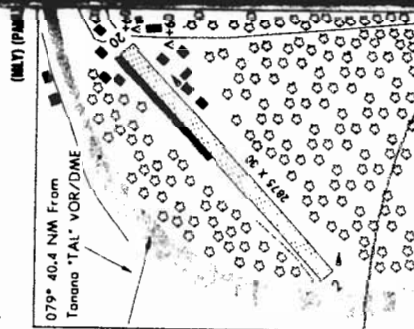
Alaska Supplement ◆

MACKEYS LAKES SEAPLANE (See SOLDOTNA)

MANKOMEN LAKE 0 NE N62°59.39' W144°28.80' UTC-9(-8DT)
 PVT 3050 23(GVL-DIRT) 04-22
AIRPORT REMARKS—Unattended. Rwy extremely slippery when wet. No phone avbl.
COMMUNICATIONS—(CTAF 122.9) (TIE-IN FSS KENAI ESM)
RADIO/NAV/WEATHER REMARKS—For a toll free call to Kenai FSS dial 1-800-WX-BRIEF.

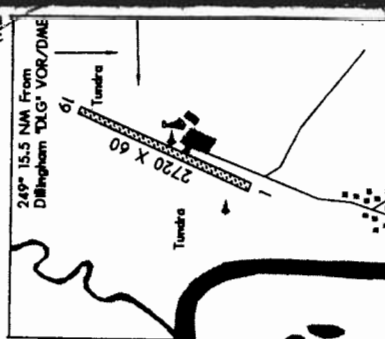
\$ MANLEY HOT SPRINGS 0 SW N64°59.85' W150°38.65' UTC-9(-8DT)
 P 270 29(GVL) 02-20
FUEL—(NC-100LL)

AIRPORT REMARKS—Unattended. CAUTION: Rwy condition not monitored, recommend visual inspection prior to landing. Reflective markers Rwy 02-20. 30-50' trees within 75' approach end Rwy 20; 100' trees and building within 500' approach end Rwy 20.
COMMUNICATIONS—(CTAF/UNICOM 122.9) (TIE-IN FSS FAIRBANKS FAL-NOTAM MLY)
RADIO/NAV/WEATHER REMARKS—For a toll free call to Fairbanks FSS dial 1-866-248-6516. When avbl WX reports hourly only.



\$ MAROKOTAK 1 N N58°59.41' W159°03.00' UTC-9(-8DT)
 P 52 BL4 27(GVL) 01-19

AIRPORT REMARKS—Unattended. CAUTION: Rwy condition not monitored, recommend visual inspection prior to use. Pilots are requested to self announce on CTAF before taxiing on the rwy for departure, leaving the rwy and within 5 NM of the apt when approaching to land. Rwy surface soft and muddy during spring breakup or heavy rains. Shallow ponding along Rwy 01-19 centerline after rain. Brush to 12' high length of rwy both sides. Sharply rising terrain SSE of apt. Rwy 19 rgt t/c. Rwy 01-19 marked with thin panels—some missing. ACTIVATE rot bcn and windsock light—CTAF. ACTIVATE MRL Rwy 01-19—CTAF.
COMMUNICATIONS—(CTAF 122.9) (TIE-IN FSS DILLINGHAM BL6 1645-84521-NOTAM DLG BT CTC KENAI ESM)
RADIO/NAV/WEATHER REMARKS—For a toll free call to Kenai FSS dial 1-800-WX-BRIEF.



MARSHALL

MARSHALL DON HUNTER SR 2 SE N61°51.86' W162°01.57' UTC-9(-8DT)
 P 103 BL4 32(GVL) 07-25
AIRPORT REMARKS—Unattended. Rwy condition not monitored, recommend visual inspection prior to using. Snow removal ops during winter, monitor CTAF. ACTIVATE MRL Rwy 07-25—CTAF.
COMMUNICATIONS—(CTAF 122.9) (TIE-IN FSS KENAI-NOTAM KSM)
RADIO/NAV/WEATHER REMARKS—For a toll free call to Kenai FSS dial 1-800-WX-BRIEF.

SUPPLEMENT

ALASKA

AK

EFFECTIVE 0901Z 19 FEB 2004
 100001Z 15 APR 2004

Consult NOTAMS for latest information

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EFF DATE 04050



Emergency Disaster Plan ◆

COMMUNITY OF MANOKOTAK

EMERGENCY DISASTER PLAN

(Revised Draft August 8, 2002)

(Original Draft Presented to City Council on August 30, 1990)

ATTACHEMENT 4

MAJOR FIRE / EXPLOSION PROCEDURES FOR THE COMMUNITY OF MANOKOTAK

1. BACKGROUND INFORMATION

The community of Manokotak has a Bulk Fuel Farm on First Street about 100 feet from the community generators, owned and operated by Manokotak Power Company, and approximately 90 feet away from the nearest residential houses. The fuel farm is adjacent to the Manokotak Public Safety Building, which is the alternate EOC, and would make useless as an alternate EOC in the event of a major fire to the fuel farm. The Bulk Fuel Farm is approximately 66 feet by 178 feet contained in two feet high gravel with a spill barrier.

The farm is comprised of three containment areas as follows:

Northern area: Tank 1 – 1,500 gallons gas and 1,500 gallons fuel oil

Tank 2 – 5,000 gallons gas

Tank 3 – 15,000 gallons gas

Tank 4 – 15,000 gallons gas

Tank 5 – 10,000 gallons fuel oil

Tank 6 – 10,000 gallons fuel oil

Tank 7 – 10,000 gallons fuel oil

Tank 8 – 9,500 gallons fuel oil

Tank 9 – 9,500 gallons fuel oil

Middle area: Tank 10 – 20,000 gallons fuel oil

Tank 11 – 20,000 gallons fuel oil

Tank 12 – 30,000 gallons fuel oil

Tank 13 – 30,000 gallons fuel oil

Tank 14 – 30,000 gallons fuel oil

South area: Tank 15 – 15,000 gallons fuel oil

Tank 16 – 15,000 gallons fuel oil

See sub-attachment 4-1 for the map showing the layout of the Bulk Fuel Farm and the placement of the tanks.

When the tanks are at full capacity, there could be 36,500 gallons of gasoline and 210,500 gallons of heating fuel oil.

The community's only biggest building is the Manokotak Nunaniq School, which is, located approximately 4 miles from Manokotak main village on the Southeast end of Manokotak Heights Mountain. The school was completed in 2001 and owned and operated by Southwest Regional Schools. The average student enrollment is approximately 120 every year.

See sub-section 4-2 for the outline of the building.

The community of Manokotak is and has been receiving electrical power from the local corporation's power plant. The plant suffered total loss during the winter of 1985 when it burned down causing power outage for at least one week. The power plant again suffered outage due to a fire inside causing extensive damage to the electrical wiring and is soon to be upgraded with a new power plant.

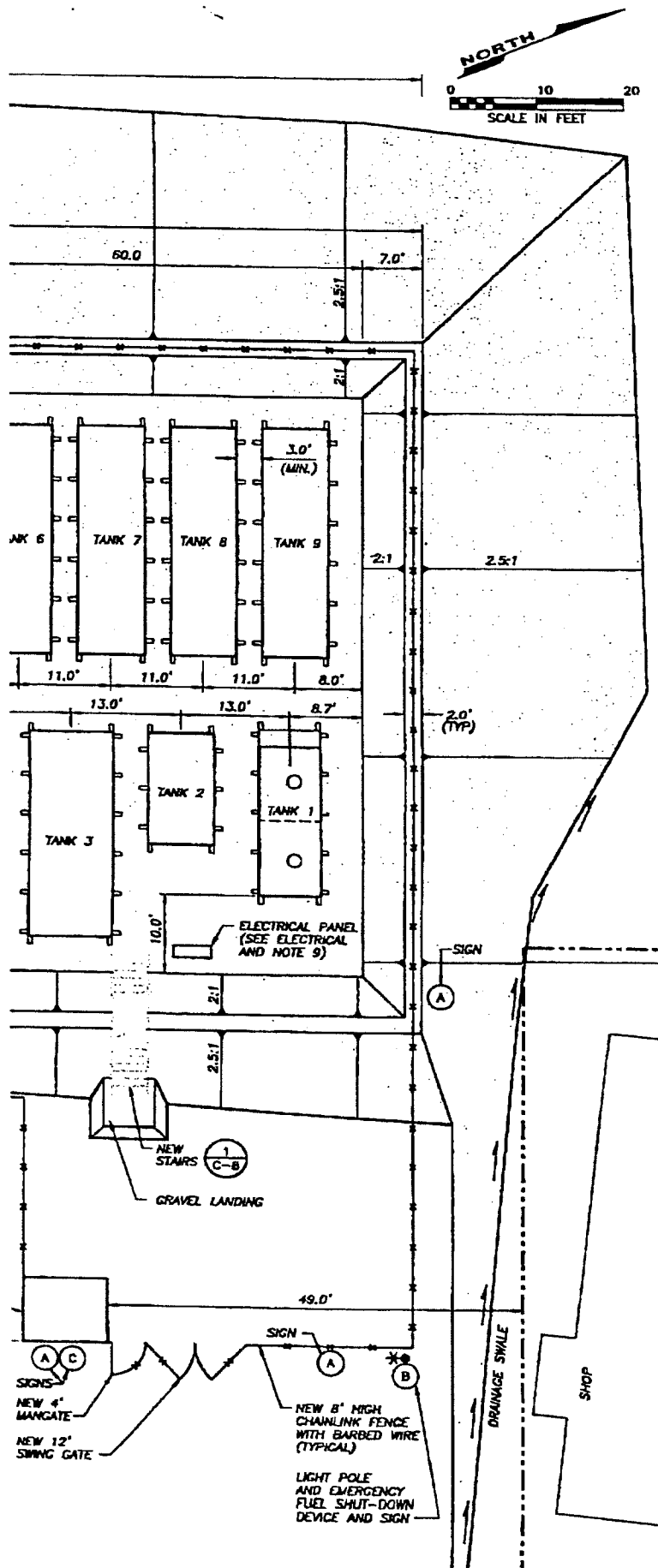
The only locally owned store that has the potential of supplying the community with food supply is Manuuqutaq Trading Store in an emergency is owned by Manokotak Natives, Limited. After the World Trade Center attack, the store sustained keeping the shelves with food, but any longer restrictions to air transport may deplete the stores stock of food.

2. ACTIONS TO TAKE DURING AND IMMEDIATELY FOLLOWING A MAJOR FIRE / EXPLOSION

A. Upon immediate notification or observation of any major fire or explosion of the said structures or buildings the following steps are to be initiated or whatever is fastest:

1. Activate the Volunteer Fire Department to scene.
2. Evacuate immediate area and set-up roadblocks within 500 feet.
3. Notify the Emergency Medical Services of situation.
4. Activate Emergency Operations Center if situations are beyond departments' capacity.

See sub-section 4-3 for detailed instructions on each fire or explosion of said buildings or structures.



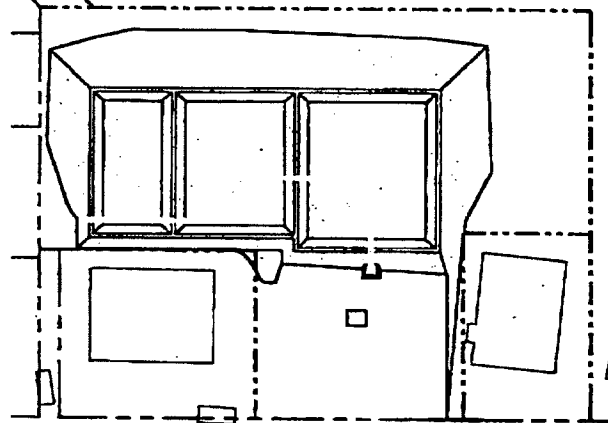
NOTES

- SEE SHEET C-2 FOR GENERAL NOTES, ABBREVIATIONS, LEGEND AND MATERIAL SPECIFICATIONS.
- SEE SHEET C-4 FOR GRADING PLAN
- SEE SHEET C-6 FOR PIPING PLAN
- BASIS OF HORIZONTAL CONTROL: U.S. SURVEY No. 4875
- SEE ELECTRICAL DRAWINGS FOR LIGHT POLE LOCATIONS.
- FIELD LOCATE CULVERT ACROSS FIRST STREET TO DRAIN STANDING WATER AND PREVENT RUNOFF EROSION DAMAGE.
- TANK-TO-PROPERTY LINE SEPARATIONS BASED ON PROTECTION FOR FIRE EXPOSURES PROVIDED BY COMMUNITY FIRE DEPARTMENT AND LOCAL FIRE FIGHTING HYDRANT SYSTEM.
- SIGNAGE: SEE SHEET C-7 FOR SIGN SPECIFICATIONS AND DESCRIPTIONS.
- PROVIDE 8" THICK CONCRETE PAD WITH WIRE MESH FOR ELECTRICAL CONTROL PANEL. COORDINATE PAD SIZE WITH ELECTRICAL PANEL.

TANK INDEX

| TANK No. | FUEL OIL | MOGAS | DESCRIPTION | DIMENSIONS |
|----------|----------|--------|---|-------------------|
| 1 | 1,500 | 1,500 | NEW DISPENSING HORIZONTAL TANK | 76"x19' |
| 2 | | 5,000 | REFURB CORPORATION HORIZONTAL TANK | 95"x14.2' |
| 3 | | 15,000 | REFURB CORPORATION HORIZONTAL TANK | 10'x26.1' |
| 4 | | 15,000 | REFURB CORPORATION HORIZONTAL TANK | 10'x26.1' |
| 5 | 10,000 | | REFURB CORPORATION HORIZONTAL TANK | 95"x28.5' |
| 6 | 10,000 | | REFURB CORPORATION HORIZONTAL TANK | 95"x28.3' |
| 7 | 10,000 | | REFURB CORPORATION HORIZONTAL TANK | 95"x28.5' |
| 8 | 9,500 | | REFURB POWER PLANT HORIZ TANK | 52'x28.2' |
| 9 | 9,500 | | REFURB POWER PLANT HORIZ TANK | 52'x28.2' |
| 10 | 15,000 | 15,000 | NEW REFURB CORPORATION VERT. TANK - VERTICAL TANK | 14'x18' 15'x12.1' |
| 11 | 15,000 | 15,000 | NEW REFURB CORPORATION VERT. TANK - VERTICAL TANK | 14'x18' 15'x12.1' |
| 12 | 30,000 | | NEW VERTICAL TANK | 15'x24' |
| 13 | 30,000 | | NEW VERTICAL TANK | 15'x24' |
| 14 | 30,000 | | NEW VERTICAL TANK | 15'x24' |
| TOTAL | | 99,500 | 38,500 GALLONS | |

| TANK No. | FUEL OIL | MOGAS | DESCRIPTION | DIMENSIONS |
|----------|----------|--------|---|-------------------|
| 15 | 20,000 | 15,000 | REFURB CORP. - NEW VERT. TANK - VERTICAL TANK | 14'x18' 15'x12.1' |
| 16 | 20,000 | 15,000 | REFURB CORP. - NEW VERT. TANK - VERTICAL TANK | 14'x18' 15'x12.1' |
| TOTAL | | 30,000 | GALLONS | |

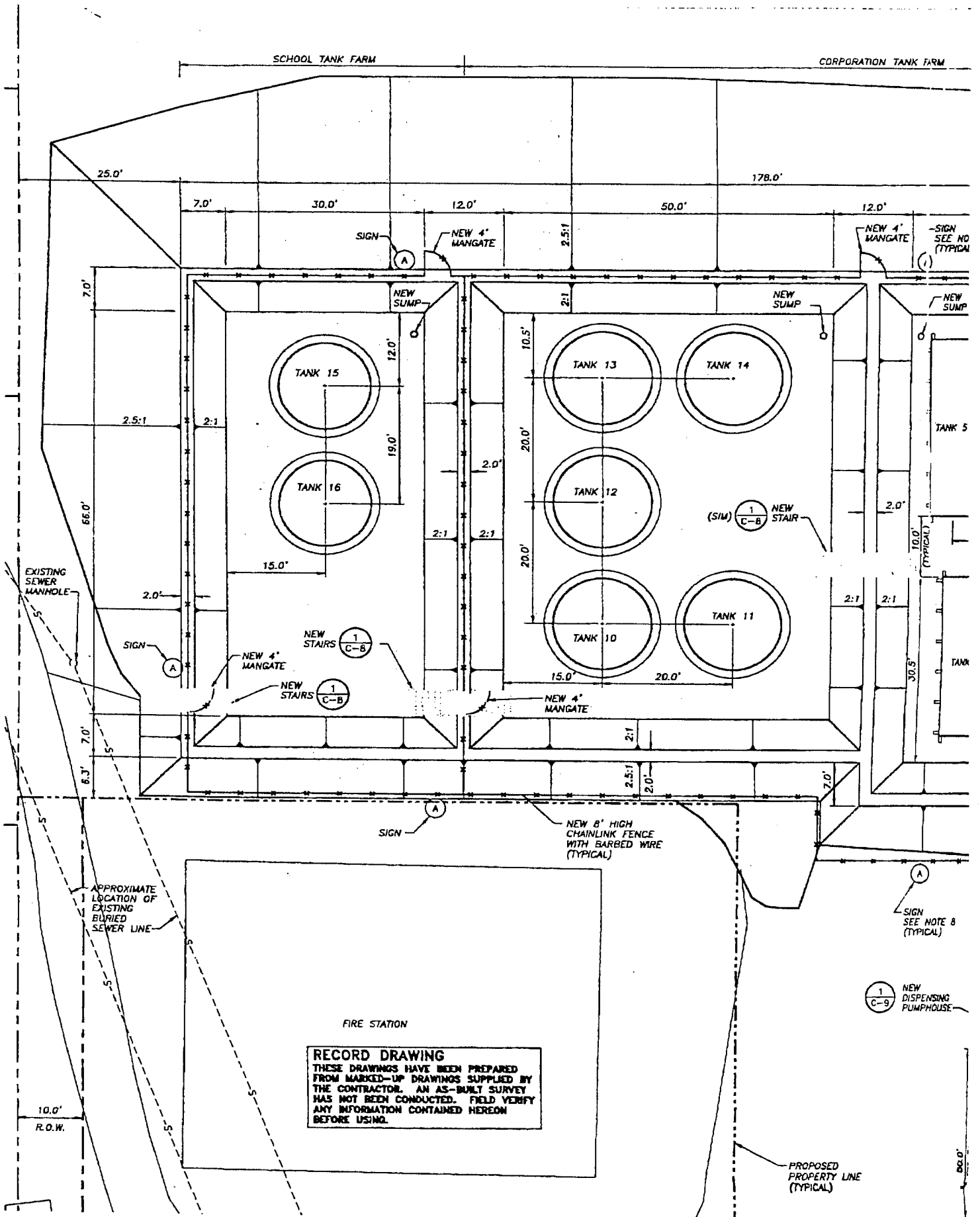


SITE CONTROL PLAN

SCALE: 1" = 50'

DRAWING NO.

LOCAL DRAWING NO. 1441-JTSP.DWG
 DATING DATE: 06/12/02 (10:33)



1 SITE PLAN
 C-3 SCALE: 1" = 10'

Sub-section 4-3

DETAILED INSTRUCTIONS FOR A FIRE OR EXPLOSION OF SAID BUILDINGS
OR STRUCTURES

I. BULK FUEL FARM

Upon immediate notification of fire or explosion of the Manokotak Fuel Farm and/or the electrical generators, the following steps are to be implemented:

1. Dispatch the Volunteer Fire Department and the Emergency Medical Services to the scene.
 - a. Make attempt to shut off fuel line and turn off switch at the Generator plant.
 - b. Hook up hoses and cool down tanks on fire or near fire.
 - c. Attend those who are in need of medical assistance.
2. Evacuate immediate area within 500 feet of fire.
 - a. See attached map for evacuation of buildings.
3. Set up EOC with back up power supply at the Manokotak City Offices or the Manokotak Public Safety Building.
 - a. Set up communication with Volunteer Fireman Chief and Public Health Practitioner.
 - b. Set up communication with outside agencies.
 - c. Activate Emergency Management Plan. See Basic Plan.
4. Call for assistance from the State ADES, Phone number
367-2337 or 249-1370
if situation is out of local control and if the situation caused by the fire is beyond local capabilities.
5. When the situation is under control get:
 - a. Estimate of total damage.
 - b. Number of casualties, if any.
 - c. Any assistance if needed.And report it to the State ADES, above number.
6. Follow ADES instructions as given.

Sub Section 4-3 con't

II. MANOKOTAK SCHOOL

Upon immediate notification of fire or explosion at the Manokotak school building of surroundings, the following steps will be taken.

1. Immediately evacuate the building and account for those that were inside. The School has a Fire Escape Plan and that will be followed accordingly.
2. Activate the Volunteer Fire Department and Emergency Medical Services to the fire scene immediately. A siren will go off.
3. Shut off electrical power going into the building, stove oil or propane. The Janitor or Maintenance person should know the fuel shut off valves.
4. Shut off electrical power going into the building. The City Generator worker will know where to shut off the main switch. The School maintenance person will know where the main switch will be.
5. If fire is out of local control and there is a very serious possibility of major damage and/or loss of life, contact ADES:

376-2337 or 249-1370

ATTACHMENT 5

ROCK/ MUD SLIDE PROCEDURES

1. BACKGROUND INFORMATION:

The community of Manokotak lies on the foot of an 800-foot mountain by the Igushik River. The history of having a rock or mud slide is not known, but the possibility of having one was brought up during our meeting with the EPM committee. The only road leading to the Manokotak HUD Housing Site, Manokotak Heights, runs along the Manokotak Mountain and HUD Housing Mountain. (see subsection 5-2 for map) This road has the potential of being blocked completely if a rock or mudslide occurs.

The community of Manokotak has ___ residential homes immediately along a slope of the Manokotak Mountain; also the Water & Sewer well is located on a slope.

The Manokotak Heights Road lies at the foot of the Manokotak Mountain where the slope is steepest, resulting in a total blockage of the road if a Rock or Mudslide occurs.

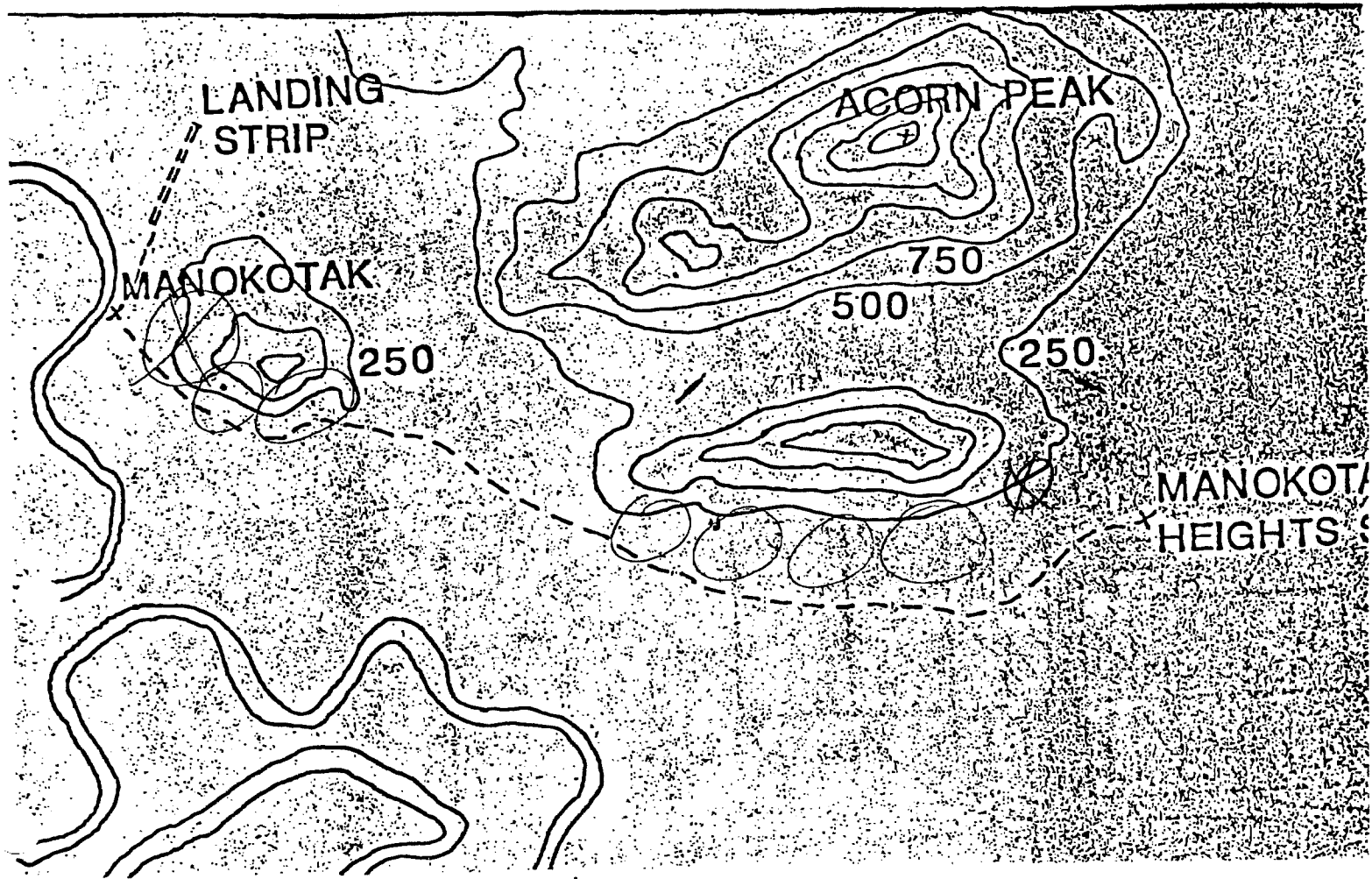
The Manokotak Nunaniq School is located under Manokotak Heights Mountain at the Southeast and has the potential of suffering damage or destruction in the event of a rock or mud slide.

2. ACTIONS TO TAKE DURING AND IMMEDIATELY FOLLOWING ROCK/MUD SLIDE.

Upon immediate notification of a Rock and/or Mud slide anywhere along the immediate areas mentioned above the following steps will be initiated or whichever is fastest.

- a. Activate and mobilize the Manokotak Volunteer Search and Rescue Team/Fire Department to the scene.
- b. Notify the Emergency Medical Services and let them know where the slide is.
- c. If situation is beyond department capacity, activate the Emergency Operation Center.

See subsection 5-1 for detailed procedures on a rock and/or mud slide on each mentioned areas.



○ - susceptible areas of
Rock / mud slide.

⊗ - susceptible Residential / school
areas of Rock / mud slide

SUBSECTION 5-1

DETAILED PROCEDURES FOR ROCK AND/OR MUD SLIDES ON SPECIFIC AREAS

1. Rock and /or Mud slide along the residential home areas at Manokotak.

- a. Evacuate the residential homes along both sides of Third Street immediately by:
 1. Letting people know by VHF radio channel 68
 2. Sounding siren and announcing on the bull horn.
 3. Knocking or entering each home on Third street.
- b. Activate the Manokotak Volunteer Search & Rescue/Fire Department to the scene equipped with the following:
 1. Shovel, axes, picks, crow bars.
 2. Stretchers, Emergency Medical equipment
 3. Road Blocks
 4. Fire hoses where needed.
- c. Notify the Emergency Medical Services:
 1. Health Aides, Certified ETT and EMT's
 2. If needed, contact local commercial airlines.
- d. Activate Public Works Department of EOC to the scene if situation demands.
- e. Shut off power lines running to the immediate area and surrounding area. The local electrical worker should know where to main switch is located at. If situation requires the total shut down of the power in the community, shut down the generators.
- f. Activate the EOC if situation is beyond department capabilities.
 1. Set up the EOC at the City Office and provide back up power if need be.
 2. Set up Communication with the following:
 - Police Department
 - SAR/Fire Department
 - Local EMS

Sub Section 5-1 con't

2. Rock/Mud Slide along any route susceptible to a Rock/Mud Slide.
 - a. Announce on VHF radio channel 68 that a slide has occurred and give the location
 - b. Block the road at least 1000 feet from the slide area on both ends of the scene.
 - c. Activate the EMS to scene if and casualties are reported.
3. Rock/Mud Slide to the Manokotak Nunaniq School and immediate area.
 - a. Announce on VHF channel 68 that a slide has occurred to or the immediate area of the school.
 - b. If the slide occurs during school or other community or school function, make immediate evacuation and account for all persons.
 - c. Activate EMS and volunteer fire department.
 - d. Follow steps in sub-section 5-1, steps 1b, c, d, e, and f.

ATTACHMENT 8

Major Airplane Crash

1. BACKGROUND INFORMATION

The community of Manokotak has a state operated airport approximately 2,800 feet in length and has night lighting. The airport is located approximately 1/8 of a mile North of the main village in the approximate direction North. A 150 feet by 250 feet apron is located on the east of the airport and there is a building to house the grader. Approach to landing North, airplanes have to fly low just West of the main village and right above the Bulk Fuel Farm. There has been at least two airplane crashes in the past and happened either in approach or immediately after take off. Plans to extend the existing airport or relocate to another area are in discussion and should be completed by 2003.

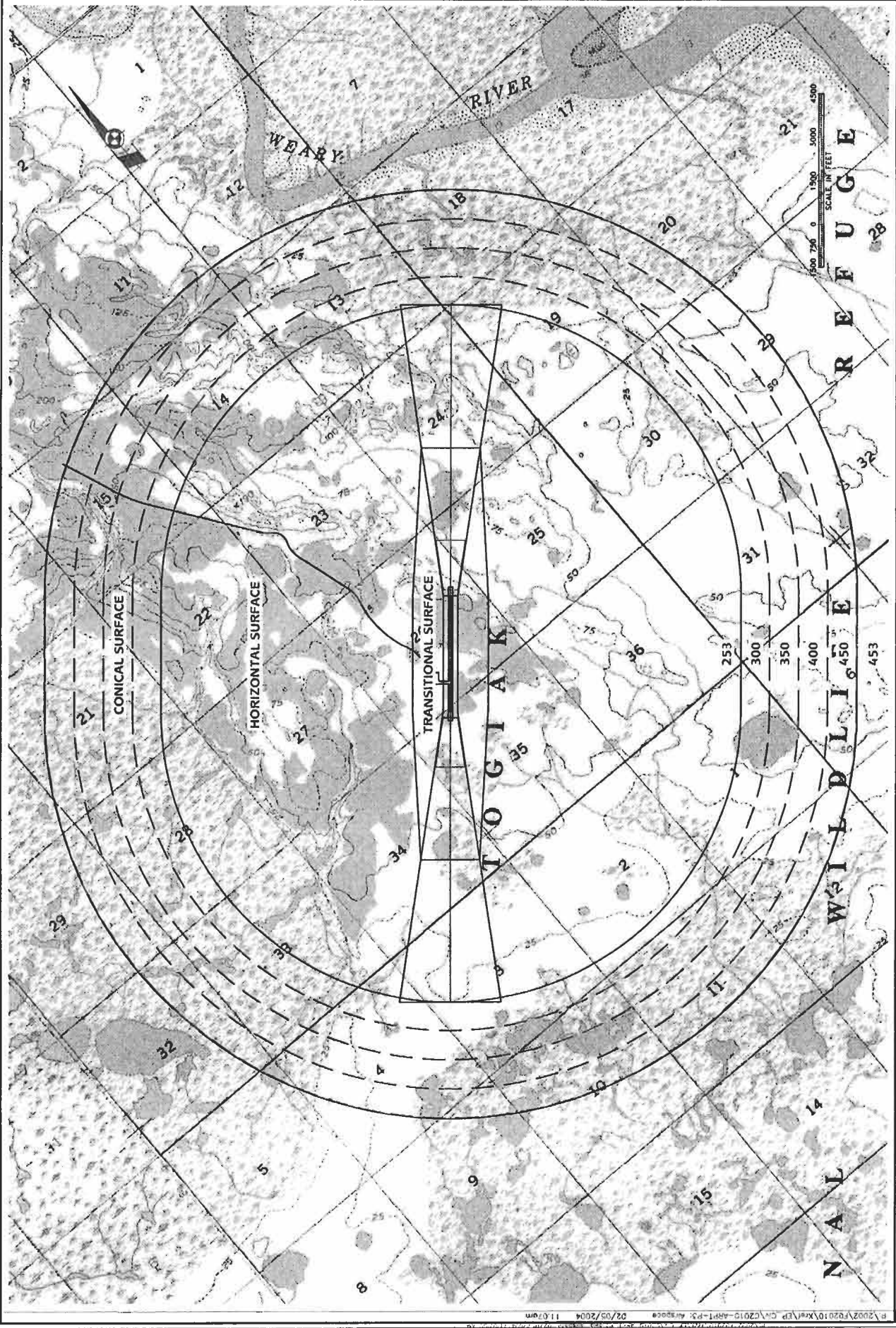
See sub-attachment 8-1 for the layout of the airport.

2. ACTIONS TO TAKE IN THE EVENT OF A MAJOR AIRPLANE CRASH

a. Upon immediate notification or observation that a airplane crash has happened the following steps are to be initiated or whatever is fastest.

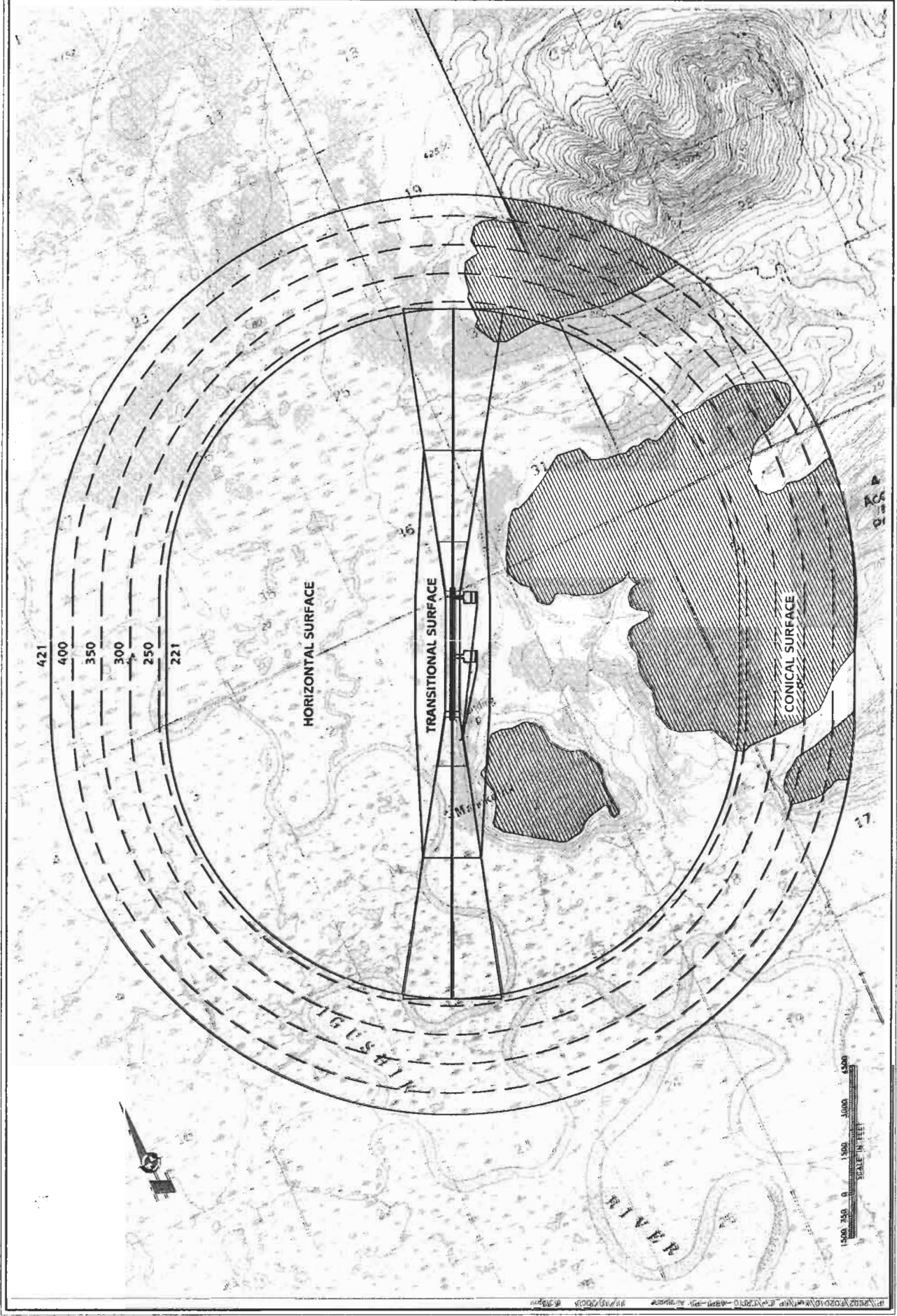
1. Activate EMS and Volunteer Fire Department to scene.
2. Stabilize and transport injured to health clinic.
3. Notify FAA and State Troopers immediately of crash and request for emergency medical transport to Dillingham.
4. Secure crash site until investigators arrive.
5. Activate Emergency Operations Center if situations are beyond departments' capabilities.

Airspace Drawings ◆



ALTERNATIVE E1 AIRSPACE
MANOKOTAK AIRPORT IMPROVEMENTS

PDC
Planning
Design
Construction
INC.
1000 Airport Blvd., Suite 100
Manokotak, Alaska 99501
907-855-1234



Wind Data Figures ◆

Wind Data Figures

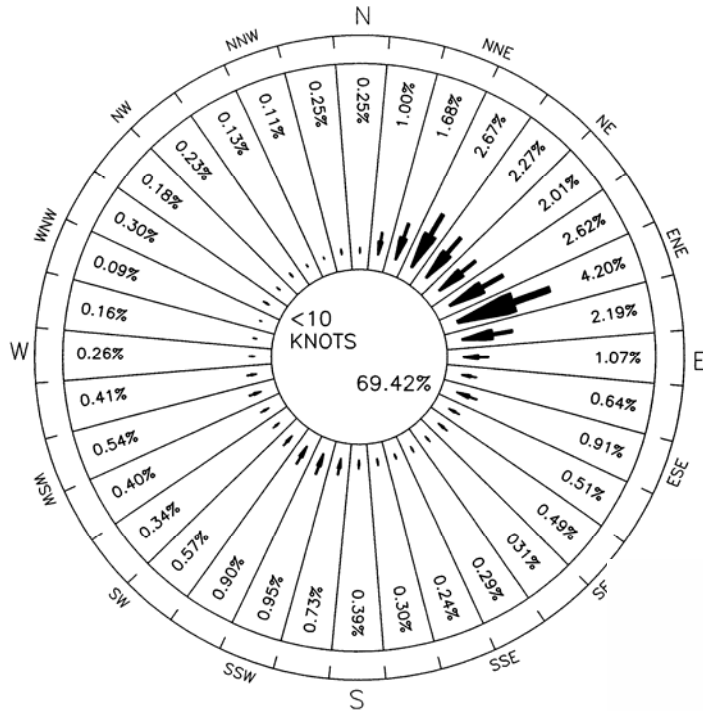


Figure 1

Manokotak Airport Wind Data
North Site (Old Manokotak)
Alternative E1 and No-Build Alternative

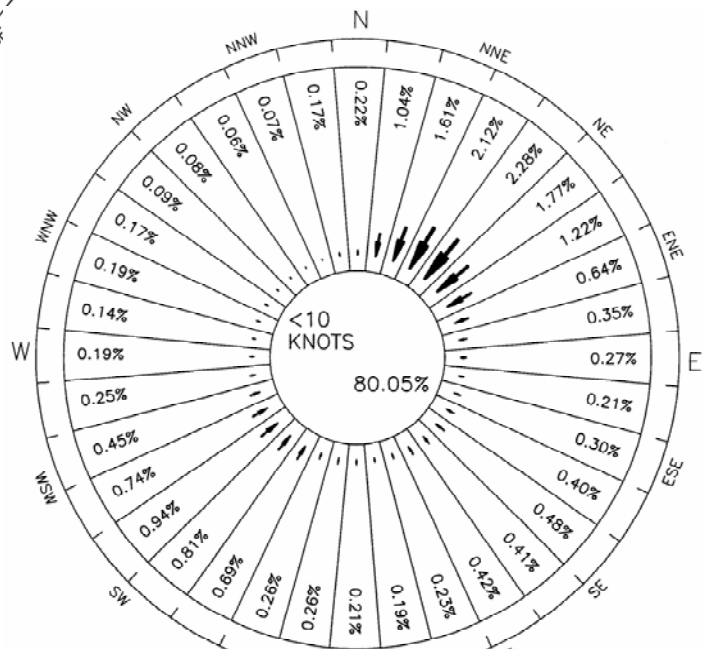


Figure 2

Manokotak Airport Wind Data
East Site (Manokotak Heights)
Alternatives R1A and R3

Land Status and Ownership Maps ◆

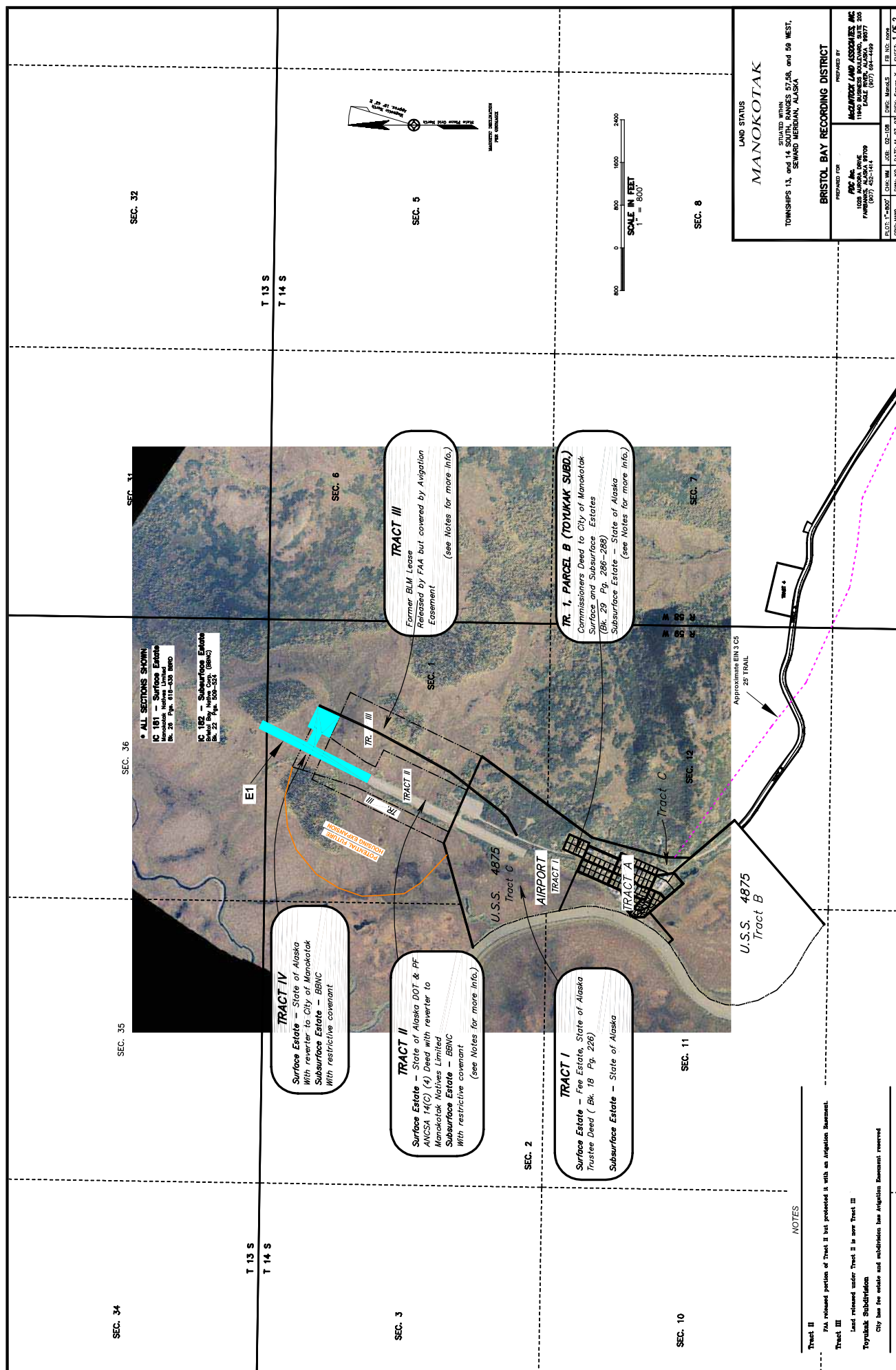


Figure B-1

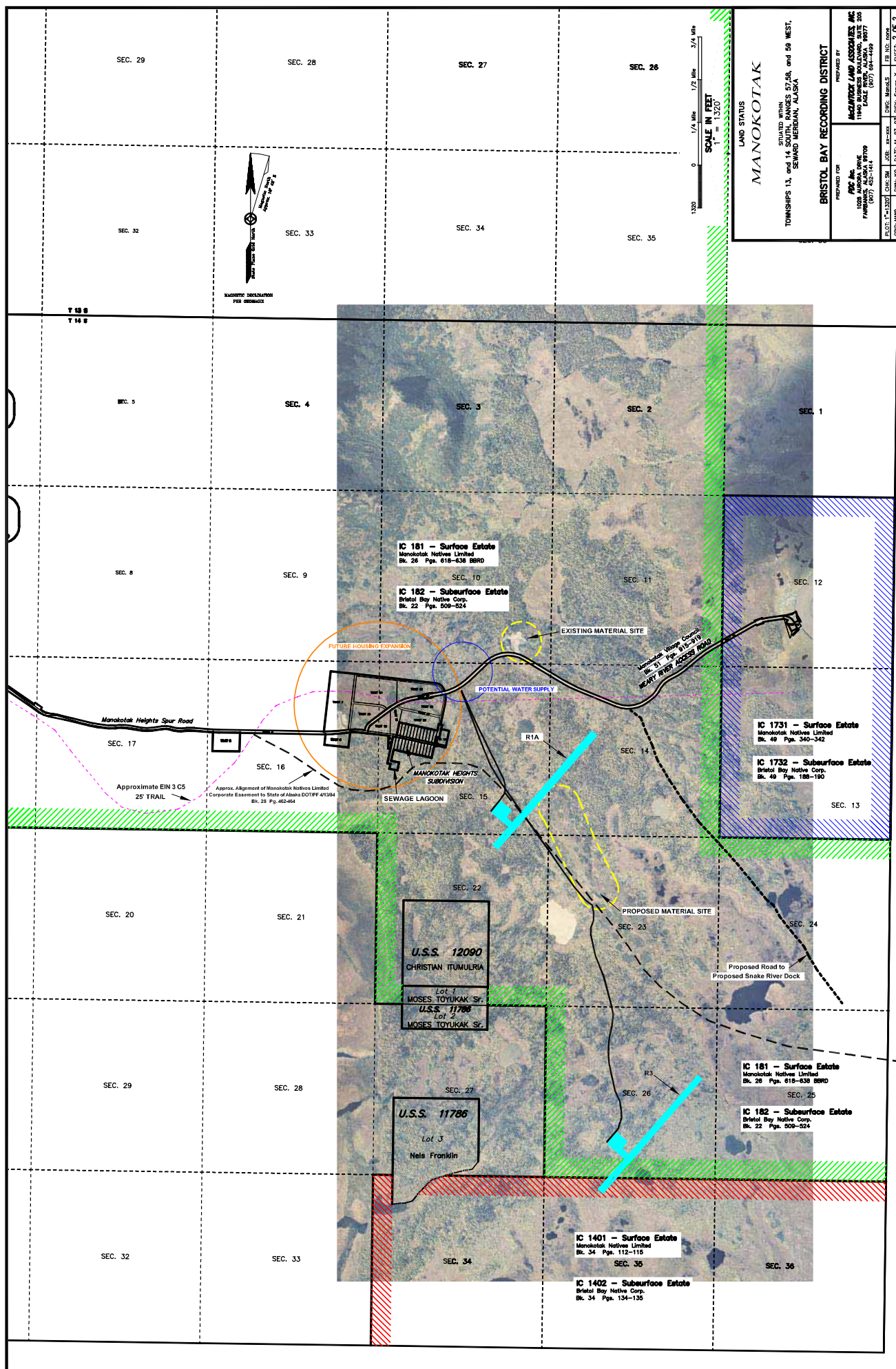
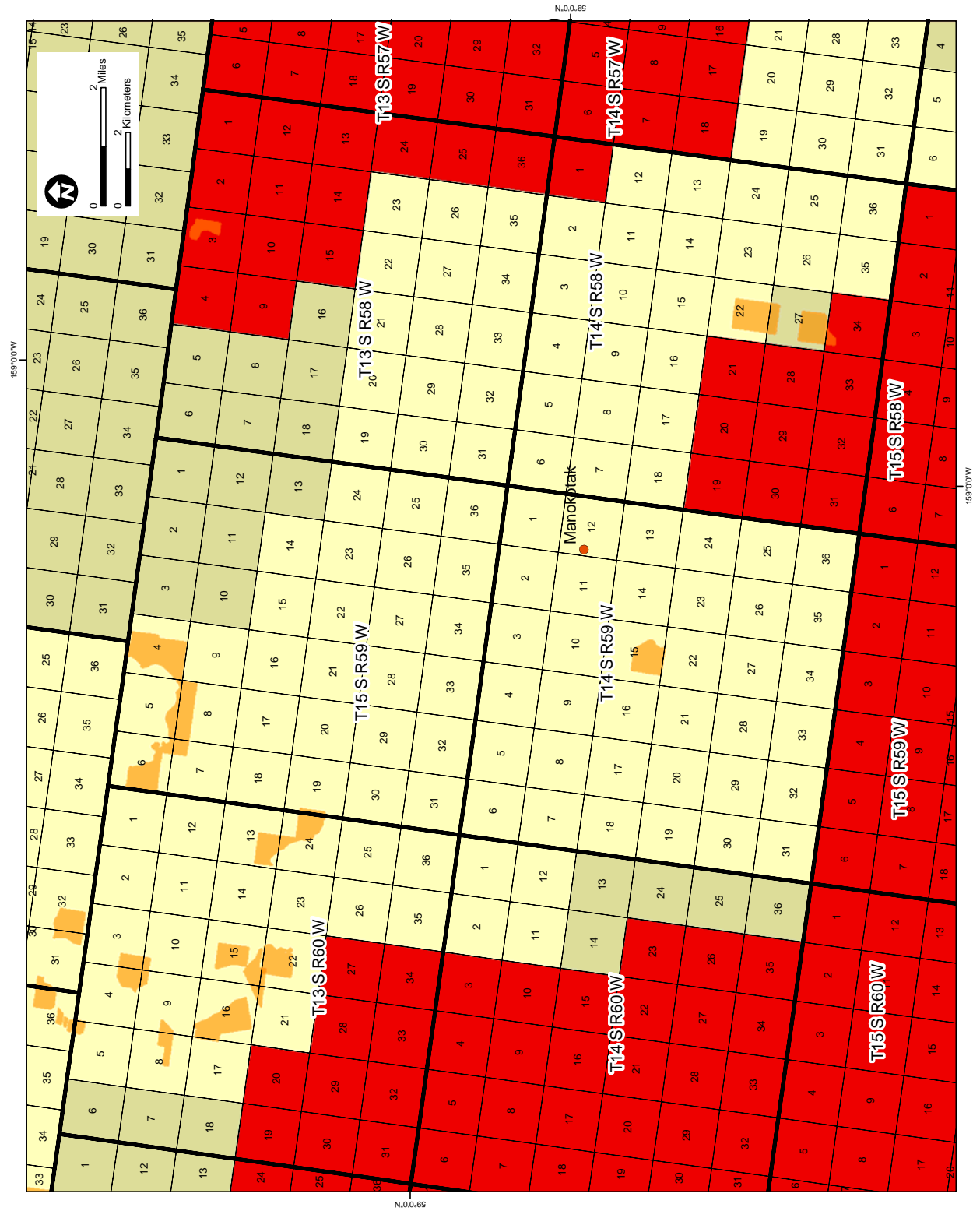


Figure B-2



Legend

- State Land
- Native Corporation Land
- Native Allotment (pending or conveyed)
- U.S. Fish and Wildlife Service

Notes:

- 1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
- 2) Basemap generated from coverages provided by CPAI and the BLM
- 3) Land status and oil and gas exploration information provided by the BLM

Figure B-3
Land Ownership